## Listing of Claims

The following listing of claims will replace all prior versions, and listings, of claims in the subject application:

1. (currently amended) A system positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

at least one x-ray source selectively emitting an x-ray beam; a digital flat panel x-ray receptor having an imaging face;

an upwardly extending, floor-supported column supporting the receptor for movement to different positions up and down along an upwardly extending axis, about the same or a different upwardly extending axis, and about a lateral axis transverse to the axis along which the receptor moves up and down wherein the receptor moves in at least two translational and three rotational motions;

said receptor and at least one x-ray source being mounted on separate supports for movement independent of each other; and

said at least one x-ray source and said receptor being juxtaposed for directing said x-ray beam to said imaging face of the receptor for a variety of diagnostic x-ray protocols, including protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching levels.

2. (currently amended) A system positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

an x-ray source selectively emitting an x-ray beam; a digital flat panel x-ray receptor having an imaging face; a first track supporting, for movement along the first track, a first downwardly extending, telescoping column that in turn supports said source for movement up and down, about a first up-down axis, and about a first lateral axis transverse to said first up-down axis, to thereby position and orient said x-ray beam for a variety of x-ray imaging protocols;

a second track supporting, for movement along the second track, a second, downwardly extending, telescoping column that in turn supports said receptor for movement up and down, about a second up down axis, and about a second lateral axis transverse to said second up down axis, to thereby position and orient said imaging face of the receptor to match the position and orientation of said x-ray beam for said variety of x-ray imaging protocols, wherein the receptor moves in at least two translational and three rotational motions;

said variety of x-ray imaging protocols being for standing, sitting and recumbent patients, including protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching-levels;

said first and second tracks being spaced from each other to allow movement of said first column along the first track that is independent of movement of the second column along the second track.

3. (currently amended) A system positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

an x-ray source selectively emitting an x-ray beam and positioning said beam at positions and orientations for a variety of x-ray imaging protocols, and a supporting structure for said x-ray

source;

a digital flat panel x-ray receptor having an imaging face;

a track supporting, for movement along the track, a downwardly extending, telescoping column that in turn supports said receptor for movement up and down, about an up down axis, and about a lateral axis transverse to said up down axis, to thereby position and orient said imaging face of the receptor to match the position and orientation of said x-ray beam for said variety of x-ray imaging protocols, wherein the receptor moves in at least two translational and three rotational motions;

said variety of x-ray imaging protocols being for standing, sitting and recumbent patients, including protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching levels;

said track being spaced from said supporting structure for the x-ray source to allow movement of said column along the track that is independent of movement of the x-ray source or the support thereof.

- 4. (previously presented) A system as in claim 1, wherein the receptor has at least five degrees of freedom relative to the column.
- 5. (previously presented) A system as in claim 1, further including motorized drivers for moving the receptor.
- 6. (previously presented) A system as in claim 1, further including encoders coupled with the column to provide digital information regarding movement thereof, and a computer coupled with the encoders to receive digital information therefrom and programmed to

utilize the information to control said movement.

7. (currently amended) A system as in claim 1 positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

at least one x-ray source selectively emitting an x-ray beam; a digital flat panel x-ray receptor having an imaging face;

an upwardly extending, floor-supported column supporting the receptor for movement to different positions, wherein the receptor moves in at least two translational and three rotational motions, including up and down along an upwardly extending axis, about the same or a different upwardly extending axis, and about a lateral axis transverse to the axis along which the receptor moves up and down;

said receptor and at least one x-ray source being mounted on separate supports for movement independent of each other; and

said at least one x-ray source and said receptor being juxtaposed for directing said x-ray beam to said imaging face of the receptor for a variety of diagnostic x-ray protocols.

- 8. (previously presented) A system as in claim 7, further including motorized drivers for moving the receptor.
- 9. (previously presented) A system as in claim 7, further including encoders coupled with the column to provide digital information regarding movement thereof, and a computer coupled with the encoders to receive digital information therefrom and programmed to utilize the information to control said movement.

10. (currently amended) A system positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

an x-ray source selectively emitting an x-ray beam;

- a digital flat panel x-ray receptor having an imaging face;
- a first track supporting, for movement along the first track, a first downwardly extending, telescoping column that in turn supports said source for movement up and down, about a first up-down axis, and about a first lateral axis transverse to said first up-down axis, to thereby position and orient said x-ray beam for a variety of x-ray imaging protocols;

a second track supporting, for movement along the second track, a second, downwardly extending, telescoping column that in turn supports said receptor for movement up and down, about a second up down axis, and about a second lateral axis transverse to said second up down axis, to thereby position and orient said imaging face of the receptor to match the position and orientation of said x-ray beam for said variety of x-ray imaging protocols,

wherein the receptor moves in at least two translational and three rotational motions, including up and down, about a second up-down axis, and about a second lateral axis transverse to said second up-down axis.

- 11. (previously presented) A system as in claim 10, further including motorized drivers for moving the receptor.
- 12. (previously presented) A system as in claim 10, further including encoders coupled with the column to provide digital

information regarding movement thereof, and a computer coupled with the encoders to receive digital information therefrom and programmed to utilize the information to control said movement.

13. (currently amended) A system positioning a digital flat panel x-ray receptor for a variety of diagnostic x-ray protocols, comprising:

an x-ray source selectively emitting an x-ray beam and positioning said beam at positions and orientations for a variety of x-ray imaging protocols, and a supporting structure for said x-ray source;

a digital flat panel x-ray receptor having an imaging face;

a track supporting, for movement along the track, a downwardly extending, telescoping column that in turn supports said receptor for movement up and down, about an up-down axis, and about a lateral axis transverse to said up-down axis, to thereby position and orient said imaging face of the receptor to match the position and orientation of said x-ray beam for said variety of x-ray imaging protocols,

wherein the receptor moves in at least two translational and three rotational motions, including up and down, about an up-down axis, and about a lateral axis transverse to said up-down axis.

- 14. (previously presented) A system as in claim 13, further including motorized drivers for moving the receptor.
- 15. (previously presented) A system as in claim 13, further including encoders coupled with the column to provide digital information regarding movement thereof, and a computer coupled with the

encoders to receive digital information therefrom and programmed to utilize the information to control said movement.

- 16. (new) A system as in claim 1, wherein said variety of diagnostic x-ray protocols include protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching levels.
- 17. (new) A system as in claim 1, wherein the movement of said receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said column about a long column axis, and translation up and down said column.
- 18. (new) A system as in claim 2, wherein said variety of x-ray imaging protocols are for standing, sitting and recumbent patients, including protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching levels.
- 19. (new) A system as in claim 2, wherein the movement of said receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said second column about a long column axis, and translation up and down said second column.

- 20. (new) A system as in claim 3, wherein said variety of x-ray imaging protocols are for standing, sitting and recumbent patients, including protocols in which the source is above the receptor and protocols for lateral imaging in which the source and receptor are at matching levels.
- 21. (new) A system as in claim 3, wherein the movement of said receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said column about a long column axis, and translation up and down said column.
- 22. (new) A system as in claim 7, wherein the movement of said receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said column about a long column axis, and translation up and down said column.
- 23. (new) A system as in claim 10, wherein the movement of said receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said second column about a long column axis, and translation up and down said second column.
  - 24. (new) A system as in claim 13, wherein the movement of said

receptor in at least two translational and three rotational motions includes rotation between portrait and landscape orientations, tilt between vertical and horizontal orientations of the imaging face of said receptor, rotation together with said column about a long column axis, and translation up and down said column.